Page 1 of 4

Form PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

Use several sheets if necessary)

ATTY. DOCKET NO. 073406-0402 SERIAL NO.

09/407/804

APPLICANT

Jerry Pelletier, et al.

FILING DATE

**GROUP ART UNIT** 

09/28/1999

1653

## **U.S. PATENT DOCUMENTS**

| 1 · · · · · · · · · · · · · · · · · · · |     |                      |            |                   |       |               |                                  |
|---|-----|----------------------|------------|-------------------|-------|---------------|----------------------------------|
| EXAMINER INITIAL                        | REF | , DOCUMENT<br>NUMBER | DATE       | NAME              | CLASS | SUB-<br>CLASS | FILING DATE<br>IF<br>APPROPRIATE |
|   | A1  | 3,691,016            | 09/12/1972 | Patel             |       | -05           | いたり                              |
|   | A2  | 3,969,827            | 07/20/1976 | Ellis             | F     | RECE          | IVED.                            |
|   | A3  | 4,195,128            | 03/25/1980 | Hildebrand et al. |       | OCT 2         | 3 2002                           |
|   | A4  | 4,229,537            | 10/21/1980 | Hodgins et al.    |       |               | R 1600/290 <b>0</b>              |
|   | A5  | 4,247,642            | 01/27/1981 | Hirohara          | TE    | CH CENT       | 11 10001-0-0                     |
|   | A6  | 4,330,440            | 05/18/1982 | Ayers et al.      |       |               |                                  |

## **FOREIGN PATENT DOCUMENTS**

|   | DEE | DOCUMENT        | DATE       | COUNTRY |              | CLASS | SUB-  | TRANSLATION |    |
|---|-----|-----------------|------------|---------|--------------|-------|-------|-------------|----|
|   | REF | NUMBER          | DATE       | ,       | COUNTRY      | CLASS | CLASS | YES         | NO |
|   | A7  | EP 0 072 925 A2 | 03/02/1983 | Europe  | 4            |       |       | х           |    |
| X | A8  | EP 0 748 871 A1 | 12/18/1996 | Europe  |              |       |       | х           |    |
|   | A9  | EP 0 786 519 A2 | 07/30/1997 | Europe  | 10           |       |       | x           |    |
| X | A10 | EP 97 100 110.7 | 01/07/97   | Europe  | 11/2/        |       |       |             |    |
| 1 | A11 | WO 89/00199     | 01/12/1989 | WIPO    | <i>(</i> , ) |       |       | х           |    |
|   | A12 | WO 95/27043     | 10/12/1995 | WIPO    |              |       |       | х           |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| A13 | Adelman et al., "In Vitro Deletional Mutagenesis For Bacterial Production Of The 20,000-Dalton Form Of Human Pituitary Growth Hormone", DNA, 2(3):183-93, 1983    |
|-----|---|
| A14 | Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Research, 1997, Vol. 25, No. 17, pp. 3389-3402 |
| A15 | Cohen, "Epidemiology of Drug Resistance: Implications for a Post-Antimicrobial Era", ML Science, Vol. 257, 08/21/1992, pp. 1050-1055                              |
| A16 | Diaz et al., "Construction of a broad-host-range pneumococcal promoter-probe plasmid", Gene, 90:163-167, 1990   |



ATTY. DOCKET NOTECH CENTER 1600/2900 Page 2 of 4 U.S. DEPARTMENT OF COMMERCE Form PTO-1449 073406-0402 (MODIFIED) PATENT AND TRADEMARK OFFICE 09/407,804 **APPLICANT** INPORMATION DISCLOSURE CITATION Jerry Pelletier, et al. **GROUP ART UNIT** FILING DATE 2 1 2002 09/28/1999 **1653** (Use several sheets if necessary) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Durfee et al., "The retinoblastoma protein associates with the protein phosphatase type 1 catalytic subunit", A17 Genes & Development, 7:555-569, 1993 Eichenbaum et al., "Use of Lactococcal nisA Promoter To Regulate Gene Expression in Gram-Positive Bacteria: Comparison of Induction Level and Promoter Strength", Applied and Environmental Microbiology, A18 64:2763-2769, 1998 Endo et al., "A new protein containing an SH2 domain that inhibits JAK kinases", Nature, 387:921-924, 1997 A19 Field et al., "Purifications Of A RAS-Responsive Adenylyl Cyclase Complex From Saccharomyces Cerevisiae A22 By Use Of An Epitope Addition Method", Mol. Cell. Biol., 8:2159-2165, 1988. Fink, "Where are the Limits of Life?", Book Reviews, 322:469-470, 1998 A20 Garvey et al., "The complete sequence of Bacillus phage Ø29 gene 16: a protein required for the genome A21 encapsidation reaction", Gene, 40:311-316, 1985 Gutierrez et al., "Signals in the Ø29 DNA-Terminal Protein Template for the Initiation of Phage Ø29 DNA A22 Replication", Virology, 155:474-483, 1986 Jorgensen et al., "Antimicrobial Resistance among Respiratory Isolates of Haemophilus influenza, Moraxella A23 catarrhalis, and Streptococcus pneumoniae in the United States", Antimicrobial Agents and Chemotherapy, 34:2075-2080, 1990 Kaneko et al., "Complete nucleotide sequence and molecular characterization of the temperate staphylococcal A24 bacteriophage ΦPVL carrying Pantom-Valentine leukocidin genes", Genes 215:57-67, 1998 Karimova et al., "A bacterial two-hybrid system based on a reconstituted signal transduction pathway", Proc. A25 Natl. Acad. Sci., 95:5752-5756, 1998 Katagari et al., "Multiple Possible Sitse of BRCA2 Interacting With DNA Repair Protein RAD5 1", Genes, A26 Chromosomes & Cancer, 21:217-222, 1998 Kreiswirth et al., "The Toxic Shock Syndrome Exotoxin Structural Gene Is Not Detectably Transmitted By A A27 Prophage", Nature, October 20-26;305(5936):709-12, 1983. Kodaira et al., "The dnaX gene Encodes the DNA Polymerase III Holoenzyme au Submit, the dnaZ Gene A28 Product", Mol Gen Genet, 192:80-86, 1983

|               |   |  | <u>Page</u>                                      | 3 of 4          |         |
|---------------|---|--|--|-----------------|---------|
| Form PTO-1449 | U.S. DEPARTMENT OF COMMERCE   | ATTY. DOCKET NO.   | SERIAL NO.                                       | H               |         |
| (MODIFIED)    | PATENT AND TRADEMARK OFFICE   | 073406-0402  | 09/407,8   |                 |         |
|               |   | APPLICANT  |  | C               | 10      |
| PE INFORM     | ATION DISCLOSURE CITATION   | Jerry Pelleti  | er, et al.                                       | 巴               | 100     |
| 1 - 1         |   | FILING DATE  | GROUP ART UNIT                                   | ER              | %       |
| (Us           | e several sheets if necessary)  | 09/28/1999   | 1653   |                 | رن<br>م |
| 1 21 2012     | OTHER DOCUMENTS (Including A  |  |  | 8               | 7007    |
| - Carre       |   |  | · <u>·</u>                                       | 8               |         |
| A2            | 9 Lee et al., "Escherichia coli DnaX produc<br>single-stranded DNA-dependent ATPase                     |  |  | oten v          | with    |
| A3            | Loessner et al., "The Two-Component Ly TTG-Start Holin And An Associated Amid                           |  |  |                 |         |
| A3            | Maki et al., "DNA Polymerase III Holoenz<br>263:6547-6554, 1988   | zyme of <i>Escherichica coli</i> ", The Journa                                   | l of Biological Chemist                          | ry,             |         |
| A3            | Mancini et al., "Complementation of the f<br>coli Genes Encoding GTP Cyclohydrolas<br>255:521-527, 1999 |  |  |                 | nia     |
| A3            | Martin et al., "Analysis of the Complete N<br>Streptococcus pneumoniae Bacteriopha                      |  |  | ome o           | of      |
| A3            | 4 McDonnell et al., ""Diplophage": A Bacte  | riophage of Diplococcus pneumoniae",   | Virology, 63:577-582,                            | 1975            |         |
| A3            | Nardese et al., "Disruption of the GTP-C<br>Biophysical Research Communications,                        | yclohidrolase I Gene In Saccharomyce<br>218:273-279, 1996                        | s cerevisiae", Biochen                           | nical a         | nd      |
| A3            | 6 Neu, "The Crisis in Antibiotic Resistance"  | ", Science, 257:1064-1073, 1992  |  |                 |         |
| A3            | Oskouian et al., "Repression And Catabo<br>J. Bacteriol, July, 172(7):3804-12, 1990.                    |  | n Of Staphylococcus /                            | Aureus          | s",     |
| A3            | Pickett et al., "Encapsidation of Heterolog<br>Research, 21:4621-4626, 1993                             | gous RNAs by Bacteriophage MS2 Co  | at Protein", Nucleic Ac                          | ids             |         |
| A3            | g Qin et al., "A Strategy for Rapid, High-Co  | onfidence Protein Identification", Anal. (                                       | Chem., 69:3995-4001,                             | 1997            |         |
| A4            | Qiu et al., "Dimerization by Translation In<br>Terminal Ribosome-Binding Region and<br>2711, 1998       | nitiation Factor 2 Kinase GCN2 Is Media<br>the Protein Kinase Domain", Molecular | ated by Interactions in<br>and Cellular Biology, | the C-<br>18:26 | 97-     |
| A4            | 1 Reisinger et al., "Lambda Kil-Mediated Ly   | ysis Requirse the Phage Context", Viro   | logy, 193:1033-1036,                             | 1993            |         |
| A4            | Rost et al., "Bridging The Protein Sequer<br>Biomol. Struct., 25:113-36, 1996                           | nce-Structure Gap By Structure Predict   | ions", Annu. Rev.Biop                            | hys,            |         |

|                     |   |   | Page 4                    | 014        |  |  |
|---------------------|---|---|---------------------------|------------|--|--|
| Form PTO-1449       | U.S. DEPARTMENT OF COMMERCE   | ATTY. DOCKET NO.                            | SERIAL NO.                |            |  |  |
| (MODIFIED)          | PATENT AND TRADEMARK OFFICE   | 073406-0402                                 | 09/407,80                 | 400        |  |  |
|                     |   | APPLICANT                                   |                           | 出出         |  |  |
| TP EINFORMATI       | ION DISCLOSURE CITATION   | Jerry Pelletier, et al.                     |                           |            |  |  |
| , <u>e</u> j        |   | FILING DATE                                 | GROUP ART UNIT            | <b>á</b> . |  |  |
| OCT 2 1 2002 💥 se s | everal sheets if necessary)   | 09/28/1999                                  | 1653                      | 33         |  |  |
| A CALLET            | OTHER DOCUMENTS (Including A  | uthor, Title, Date, Pertinent Pages,        | Etc.)                     | 500        |  |  |
| A43                 | Salamov et al., "Combining Sensitive Dat Homologues", Protein Eng., 12:95-100, 1            | abase Searches With Multiple Interme<br>999 | ediates to Detect Distan  | nt 👸       |  |  |
| A44                 | Schenk et al., "Improved Method For Election 94:133-138, 1992.                              | ctroporation of Staphylococcus Aureus       | ,, FEMS Microbiology I    | Letters,   |  |  |
| A45                 | Sheehan et al., "The lytic enzyme of the p<br>Molecular Microbiology, 25:717-725, 199       |   | lysin of intergeneric or  | igin",     |  |  |
| A46                 | Smidt et al., "Physiologic Importance of P  | Pyrroloquinoline Quinone", P.S.E.B.M.,      | 197:19-26, 1991           |            |  |  |
| A47                 | Sopta et al., "Isolation of Three Proteins  | That Bind to Mammalian RNA Polymer          | ase II", 260:10353-103    | 60, 198    |  |  |
| A48                 | Steiner et al., "The Missing Link in Phage Φ29 Encodes the Functional Homolog of            |   |                           |            |  |  |
| A49                 | Swanstrom et al., "Agar Layer Method for Med., 78:372-375, 1951.                            | Production of High Titer Phage Stock        | s", Proc. Soc. Exptl. Bio | ol. &      |  |  |
| A50                 | Tauriainen et al., "Recombinant Lumines Applied and Environmental Microbiology"             |   | ole Arsenite and Antimo   | onite",    |  |  |
| A51                 | Tomasz, "Model for the Mechanism Control Cultures", Journal of Bacteriology", 91:10         |   | ate in Pneumococcus       |            |  |  |
| A52                 | Tsuchihashi et al., "Translational framesh<br>Proc. Natl. Acad. Sci., 87:2516-2520, 199     |   | polymerase III holoenzy   | yme",      |  |  |
| A53                 | Yoshikawa et al., "Nucleotide sequence a evolutionary relationships", Gene, 1985            | nalysis of DNA replication origins of th    | e small Bacillus bacter   | riphage    |  |  |
| EXAMINER            | J   | DATE CONSIDERED                             |                           |            |  |  |
| line through        | Initial if citation considered, wheth citation if not in conformance and tion to applicant. |   |                           |            |  |  |